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Concrete admixture - consisting of specified copolymer, and carboxylic acid (salt), sugar and/or sugar-alcohol

Patent Assignee: KAO CORP (KAOS)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP09040447	A	19970210	95JP-0188911	A	19950725	199716 B
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Priority Applications (No Type Date): 95JP-0188911 A 19950725

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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JP09040447	A	8	C04B-024/26	
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Abstract (Basic): JP 9040447 A

A concrete admixture comprises a copolymer obtd. by polymerising a monomer (a) of formula (A) with at least one monomer (b) selected from cpds. of formula (B) and formula (C). (b) is at least one cpd. selected from the group consisting of oxycarboxylic acid or its salt, sugar and sugar-alcohol. (where R1 and R2 = H, or methyl; m1 = 0-2; AO = a 2-3C oxyalkylene; n = 50-300; X = H, or a 1-3C alkyl; R3-R5 = H, methyl or (CH₂)_mCOOM₂; R6 = H, or a methyl; M₁,M₂ and Y = H, alkaline metals, alkaline earth metals, ammonium, alkyl ammonium, or substd. alkyl ammonium; and m2 = 0-2).

ADVANTAGE - Adding the concrete admixture to cement compsns. evolves no slump loss at high temps. in summer. The result eliminates transportation problems by pump feeding under pressure. The concrete admixture provides the concrete compsns. with enhanced fluidity to assure easy filling work for a formwork. The concrete admixture also has a high water reducing effect to allow the use for high-strength concrete.

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